

IN THE CLAIMS

Please cancel claims 28-43, and 46 and amend claims 44 and 48 as follows.

1-43 (Canceled)

44. (Currently Amended) A method of querying a semantic temporal event[[s]], said method comprising:

retrieving multiple-layer models corresponding to said semantic temporal event;
receiving temporal observations that are extracted, from at least one data source, according to said multiple-layer models for the semantic temporal event;

detecting one or more occurrences of the semantic temporal event based on said temporal observations and said multiple-layer models by supplying said temporal observations to said multiple-layer models;

characterizing said one or more occurrences of the semantic temporal event, detected by said detecting, to produce a characterization;

storing said characterization;

building indices to said temporal observations based on said characterizing;

performing temporal event prediction based on said characterization;

revising said multiple-layer models for said semantic temporal event based on said characterization; and

simulating parts of said semantic temporal event according to said characterization.

receiving a query request from a client;

retrieving data requested by said client based on said indices; and

sending said data to said client.

45. (Previously Presented) The method according to claim 44, wherein said query request is received at a search engine server.

46. (Canceled)

47. (Previously Presented) The method according to claim 44, further

including storing said temporal observations in a data storage, and wherein said data requested by said client is retrieved from said data storage.

48. (Currently Amended) The method of claim 44, wherein the indices are based on at least one of a detected event, an event statistic, ~~and~~ or an event action description.

49. (Previously Presented) The method of claim 44, wherein said query request includes a semantic temporal event.

50. (Previously Presented) The method of claim 44, wherein said query request includes statistics of a sports game.

51. (Previously Presented) The method of claim 44, wherein said query request includes statistics of the occurrences of a semantic temporal event.

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